

FIG. 1A

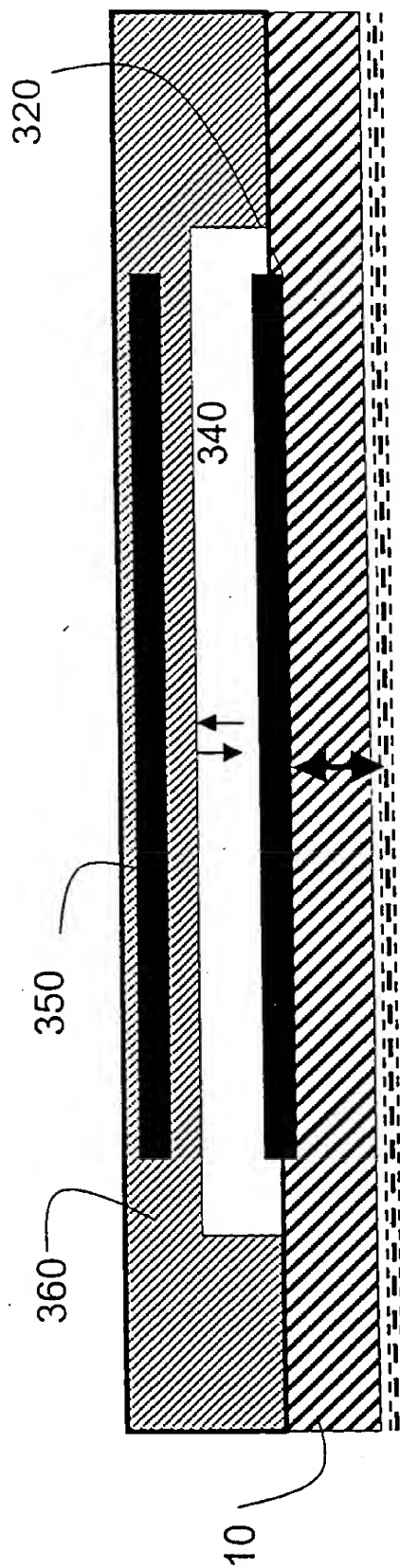


FIG. 1B

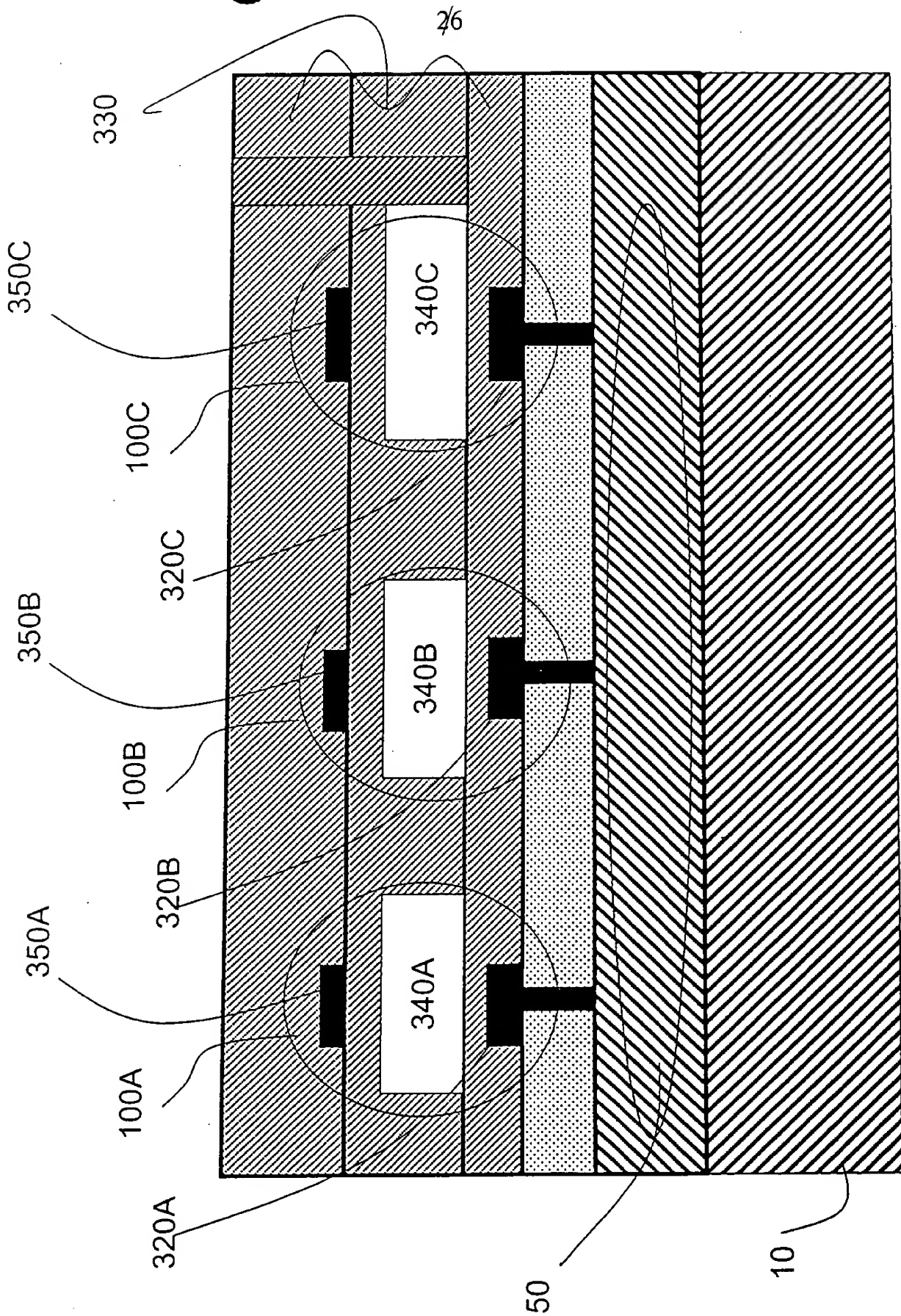


FIG. 2A

TOP SECRET

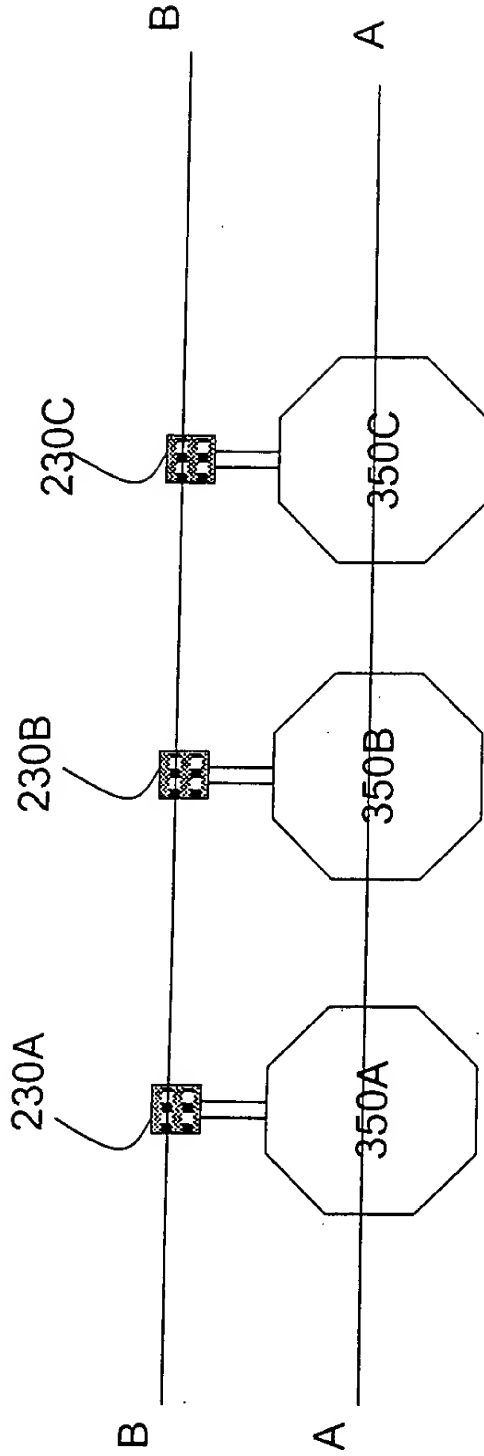


FIG. 2B

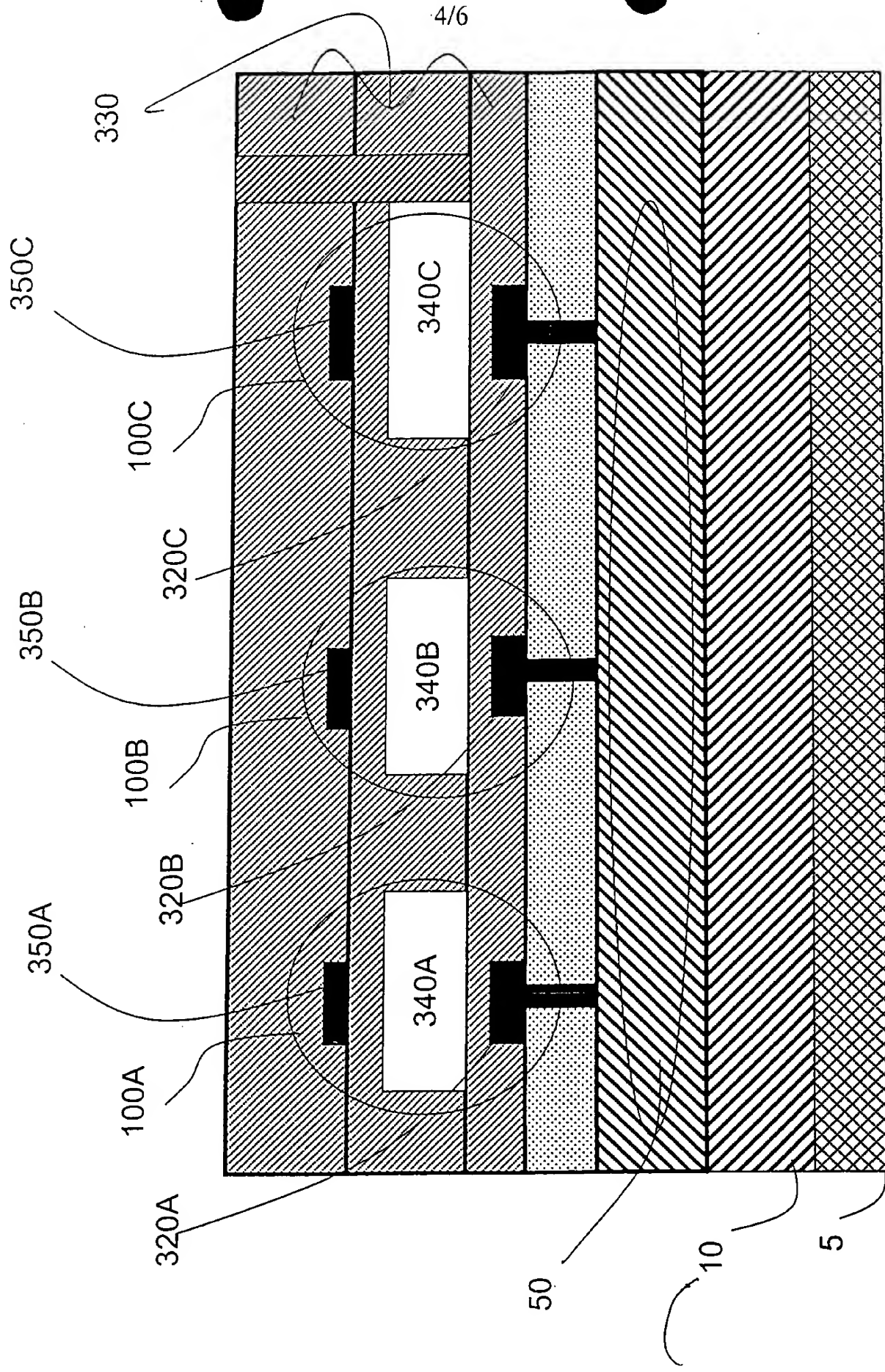


FIG. 3

Transmission Test
(pitch and catch)

Sample 9MHz Immersion Parts → Backing Material Effects

Time Response

Vbias = 90V

Vac = 10V 30ns pulse

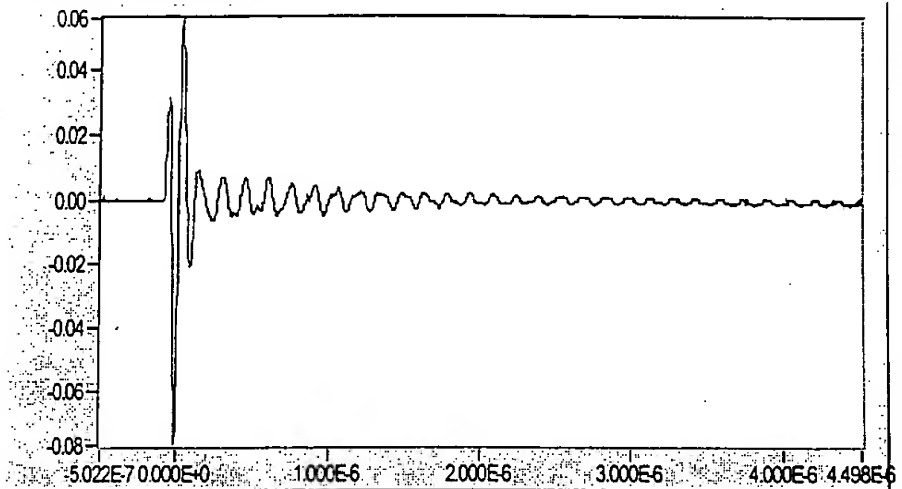
2mm separation

No backing material

Medium = water

FIGURE 4A

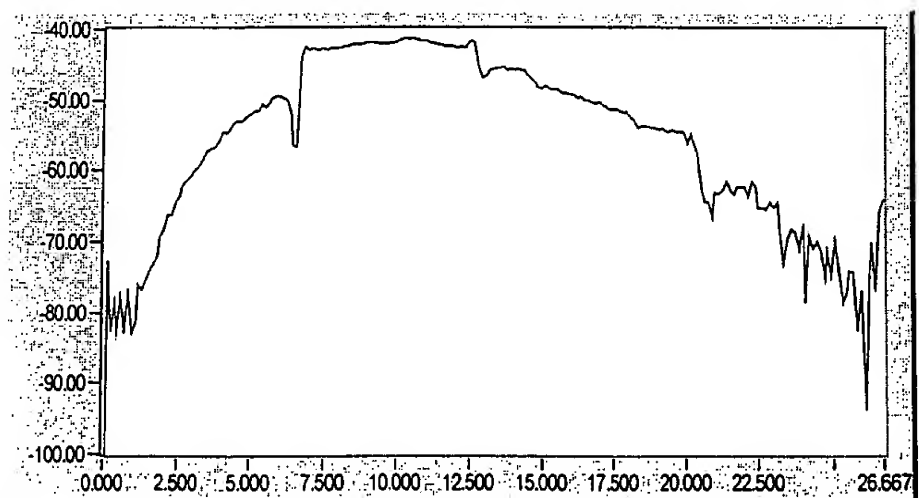
Voltage (V) vs Time (s)

**2-way Insertion Loss**

-6dB BW = 78.82%

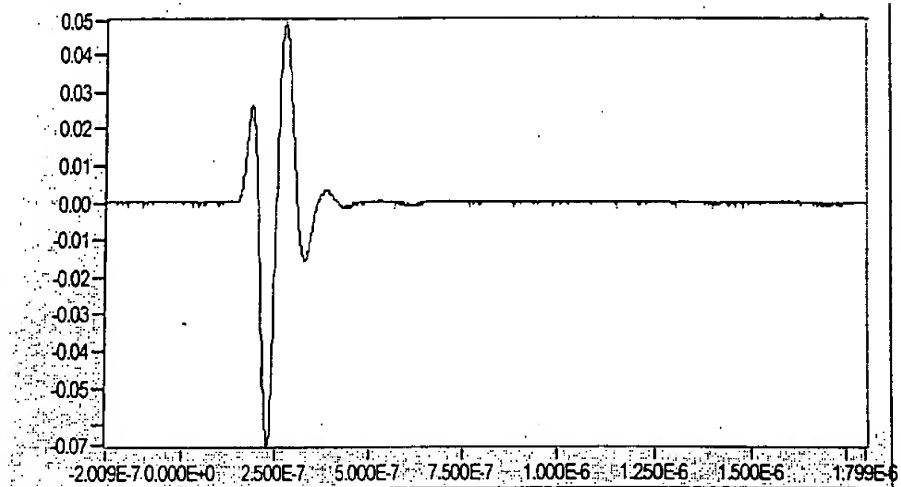
FIGURE 4B

Insertion Loss (dB attenuation) vs Frequency (MHz)



Time Response

Vbias = 90V
Vac = 10V 30ns pulse
2mm separation
With backing material
Medium = water
FIGURE 4C

Voltage (V) vs Time (s)**2-way Insertion Loss**

-6dB BW = 84.02%

FIGURE 4D**Insertion Loss (dB attenuation) vs Frequency (MHz)**